

PATENT *IFW*

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

Mao

Application No.: 10/820,469

Filed: April 7, 2004

For: METHOD AND APPARATUS TO DETECT  
AND REMOVE AUDIO DISTURBANCES

Group Art Unit:

Examiner: Unassigned

Atty. Docket No.: SONYP034

Date: September 15, 2005

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450 on September 15, 2005.

Signed: 

Melinda M. Ward

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
Alexandria, VA 22313-1450


Dear Sir:

The references listed in the attached PTO Form 1449 may be material to examination of the above-identified patent application. Applicants submit these references in compliance with their duty of disclosure pursuant to 37 CFR §§ 1.56 and 1.97. The Examiner is requested to consider these references and to acknowledge such consideration by initialing the attached PTO Form 1449 at the appropriate locations.

Applicants state that each item of information listed in the attached PTO Form 1449 was cited in a communication in a counterpart international application.

Applicant believes no fees are due, however, the Commissioner is authorized to charge any fees that may be due to our Deposit Account No. 50-0805 (Order No. SONYP034).

Respectfully submitted,  
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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
 (Use as many sheets as necessary)

Sheet

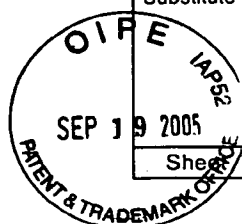
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of

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**Complete if Known**

Application Number	10/820,469
Filing Date	April 7, 2004
First Named Inventor	Mao
Art Unit	2644
Examiner Name	Unassigned
Attorney Docket Number	SONYP034

**U.S. Patent Documents**

Examiner Initials	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	A				
	B				
	C				
	D				
	E				
	F				
	G				
p	H				

**Foreign Patent Documents**

Examiner Initial	Cite No. <sup>1</sup>	Foreign Patent Document No.	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number- <sup>4</sup> Kind Code <sup>5</sup> (if known)				
/DF/	I	EP 1253581	Oct. 20, 2002	CSEM		<input type="checkbox"/>
	J					<input type="checkbox"/>
	K					<input type="checkbox"/>

**Non Patent Literature Documents**

Examiner Initial	Cite No.	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
/DF/	L	S.V. VASEGHI, B.P. MILNER, "Speech Recognition in Impulsive Noise", <i>School of Information Systems, University of East Anglia, Norwich, UK</i> , 1995, pp 437 - 440
/DF/	M	WILLIAM M. KUSHNER, VLADIMIR GONCHAROFF, CHUNG WU, VIEN NGUYEN and JOHN N. DAMOULAKIS, "The Effects of Subtractive-Type Speech Enhancement/Noise Reduction Algorithms On Parameter Estimation For Improved Recognition and Coding In High Noise Environments", <i>Martin Marietta Aero &amp; Naval Systems</i> , 1989, pp 211 - 214
	N	

Examiner Signature	/Devona Faulk/	Date Considered	11/19/2008
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Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.